

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (Canceled)

16. (Previously presented) A method of providing secure communication between a mobile node and home domain using a foreign domain, comprising:

transmitting a registration request from the mobile node to the home domain the request comprising an identity of a user of the mobile node in encrypted form and network routing information in non-encrypted form;

the home domain receiving and processing the registration request to generate a registration reply comprising one or more encryption keys for encrypting messages communicated between and among the mobile node, home domain, and the foreign domain; and

transmitting the registration reply from the home domain to the foreign domain and the mobile node.

17. (Original) The method of claim 16, wherein transmitting a registration request from the mobile node to the home domain comprises:

transmitting the registration request from the mobile node to the foreign domain; and
transmitting the registration request from the foreign domain to the home domain.

18. (Original) The method of claim 17, wherein transmitting the registration request from the foreign domain to the home domain comprises establishing a secure communication pathway between the foreign domain and the home domain.

19. (Original) The method of claim 17, wherein transmitting the registration request from the foreign domain to the home domain comprises establishing a secure communication pathway between the foreign domain and the mobile node.

20. (Original) The method of claim 17, wherein transmitting the registration request from the foreign domain to the home domain comprises establishing a secure communication pathway between the home domain and the mobile node.

21. (Original) The method of claim 16, wherein processing the registration request from the mobile node within the home domain comprises decrypting the encrypted form of the identity of the user.

22. (Original) The method of claim 16, wherein generating a registration reply comprises encrypting at least one of the encryption keys.

23. (Original) The method of claim 22, wherein generating a registration reply comprises encrypting the encryption keys for encrypting messages to be communicated between the mobile node and the home domain, and between the mobile node and the foreign domain.

24. (Original) The method of claim 22, further comprising:
decrypting one or more of the encrypted encryption keys.

25. (Original) The method of claim 16, wherein generating the registration reply comprises:

generating a first encryption key for encrypting messages to be communicated between the mobile node and the home domain;

generating a second encryption key for encrypting messages to be communicated between the foreign domain and the home domain; and

generating a third encryption key for encrypting messages to be communicated between the foreign domain and mobile node.

26. (Original) The method of claim 22, wherein generating the registration reply comprises encrypting at least one of the first and third encryption keys.

27. (Original) The method of claim 26, further comprising:
decrypting at least one of the encrypted first and third encryption keys.

28. (Original) The method of claim 16, wherein the registration reply includes:
encryption keys that are encrypted; and
encryption keys that are not encrypted.

29. (Original) The method of claim 28, further including:
extracting one or more of the encryption keys that are not encrypted from the registration reply.

30. (Original) The method of claim 28, further including:
extracting and decrypting one or more of the encryption keys that are encrypted from the registration reply.

31-69. (Canceled)

70. (Currently amended) A method of providing secure communications between an initiator and a responder in a communication network, comprising:
dynamically establishing a security association between the initiator and the responder,
whereby the initiator presents to the responder a registration request that includes one or more proposals.

71. (Original) The method of claim 70, further comprising:
negotiating the security association.

72. (Original) The method of claim 71, wherein negotiating the security association comprises:

negotiating one or more security transforms to be used to provide secure communications between the initiator and the responder.

73. (Original) The method of claim 71, wherein negotiating the security association comprises:

proposing the number of transforms to be used to provide secure communications between the initiator and the responder.

74. (Original) The method of claim 71, wherein negotiating the security association comprises:

proposing the duration of at least a portion of the security association.

75. (Original) The method of claim 71, wherein negotiating the security association comprises:

proposing the type of transforms to be used to provide secure communications between the initiator and the responder.

76-127. (Canceled)